

JUN 04 1987

Docket No. 50-029

LICENSEE: Yankee Atomic Electric Company (YAEC)

FACILITY: Yankee Nuclear Power Station

SUBJECT: Meeting Summary - May 18 to 20, 1987

On May 18 through 20, 1987, members of the NRC staff met with representatives of YAEC in Framingham, Massachusetts to discuss the review of design code changes and load combinations. The list of attendees is provided in Enclosure 1. The list of topics for discussion was transmitted with the meeting notice; the meeting agenda for response to the topics is in Enclosure 2.

As noted in the agenda, there are three major review areas: snow loads, code changes affecting structural elements, and load combinations. The review meeting included both licensee presentation of analyses and audits of the calculations.

The staff evaluated the vapor container capital under the combined loading of a loss-of-coolant accident (LOCA) and a seismic event (NRC loading). For the shell away from the penetrations, the columns, the horizontal beams and the tie rods, the data provided in the seismic evaluation report of the VC (March 1984) was sufficient to establish acceptability. Anchor bolts and the joints between column and shell needed further review as data was not available in the report.

The licensee performed an evaluation which takes into account the fact that for a seismically induced LOCA, peak accident conditions (temperature/pressure) are not reached simultaneously with the strong earthquake motion. This evaluation is based on the assumption that the earthquake loading will initiate the LOCA. Under the conditions of the earthquake and the temperature/pressure that would exist when the earthquake excitation stopped, the structural integrity is maintained. The staff agreed that this seemed a reasonable approach, but specific details, such as the duration of the earthquake motion, needed to be worked out.

For those structural elements in existing structures that were checked to show that newer code requirements were satisfied, the licensee provided calculations for staff audit. A few items were identified (S4, S5 and C5) for additional licensee action.

Snow loads on the fire water tank were also discussed. The licensee discussed their basis for the loading profile applied on the tank roof. Because of the geometry (slope, no parapets), the licensee concluded that the loading on the edge would be less than the uniform 125 psf extreme snow load. The staff will evaluate the licensee's justification.

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In summary, the licensee agreed to provide written responses to the agenda questions that would document the discussions during the meeting.

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Division of Reactor Projects I/II

Enclosures: As stated

cc w/enclosures:  
see next page

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